

# CITY OF READING

## LEAD SERVICE LINE REPLACEMENT PROJECT

### PROJECT PLANNING DOCUMENT

Prepared for:

Michigan Department of Environment, Great Lakes, and Energy (EGLE)

Prepared by:

City of Reading

Date: May 2026

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## 1. BACKGROUND

The City of Reading owns and operates a public water supply system serving approximately 1,094 residents and businesses within the municipal service area.

In accordance with the State of Michigan Lead and Copper Rule (LCR), the City has conducted water service line material inventories and replacement activities to identify and replace lead service lines (LSLs) and galvanized previously connected to lead (GPCL) service lines throughout the distribution system.

The City is seeking financing assistance through the Drinking Water State Revolving Fund (DWSRF) to continue replacement of identified lead service lines in order to maintain compliance with Michigan's Lead and Copper Rule requirements and protect public health.

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## 2. STUDY AREA

The study area for this project includes the City's entire water distribution service area. Lead and galvanized previously connected lead service lines have been identified throughout the City and are not concentrated within a single neighborhood.

The project area includes residential, commercial, and public properties connected to the municipal water system.

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## 3. EXISTING ENVIRONMENT EVALUATION

The City's water distribution system consists of approximately [X] miles of water main serving approximately [X] active service connections.

Based upon the City's service line inventory and historical records, the City has identified known or suspected lead and GPCL service lines requiring replacement under Michigan's Lead and Copper Rule.

Existing land use within the project area is primarily residential with some commercial and institutional development. The proposed work will occur within existing roadway rights-of-way and utility easements and is not anticipated to significantly alter existing land use, wetlands, floodplains, historical resources, or environmentally sensitive areas.

Temporary impacts associated with construction activities may include:

- Noise
- Dust
- Traffic disruptions
- Temporary driveway or sidewalk disturbance

All disturbed areas will be restored following construction.

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## **4. NEED FOR THE PROJECT**

The purpose of this project is to replace lead service lines and galvanized previously connected lead service lines within the City's water distribution system in compliance with the Michigan Lead and Copper Rule.

The City's most recent service line inventory identified approximately 112 known or suspected lead/GPCL service lines remaining within the system.

Failure to complete replacement activities may result in:

- Noncompliance with Michigan Lead and Copper Rule requirements
- Increased potential for lead exposure
- Continued public health risks
- Increased future infrastructure costs

Replacement of lead service lines is necessary to reduce potential lead exposure in drinking water and improve the overall integrity and reliability of the City's drinking water infrastructure.

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## **5. ANALYSIS OF ALTERNATIVES**

### **Regionalization**

Regionalization was evaluated as required by EGLE guidance.

This alternative was determined to be infeasible because lead service line ownership and replacement responsibilities remain with the local distribution system owner under Michigan's Lead and Copper Rule. Connection to another regional water system would not eliminate the City's obligation to identify and replace lead service lines within the municipal distribution system.

Therefore, regionalization was rejected from further consideration.

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## Replacement Alternative

Under this alternative, the City would complete full replacement of identified lead and GPCL service lines throughout the water distribution system.

Work may include:

- Excavation
- Removal of existing lead service lines
- Installation of new copper or approved replacement materials
- Surface restoration
- Coordination with property owners

The City anticipates replacing approximately 112 lead service lines as part of this project.

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## Monetary Evaluation

The estimated total project cost is approximately **\$[AMOUNT]**.

Estimated costs include:

- Engineering and design
- Construction
- Parts, supplies, and equipment
- Service line replacement
- Restoration
- Contingencies
- Administrative costs

The replacement alternative was determined to be the most cost-effective and practical method for achieving compliance with Michigan Lead and Copper Rule requirements.

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## **Environmental Evaluation**

The replacement alternative provides positive long-term environmental and public health benefits through removal of lead-containing infrastructure from the drinking water system.

Construction-related impacts are expected to be temporary and minimal due to:

- Short-duration excavation activities
- Restoration requirements
- Use of existing roadway corridors and utility easements

No significant long-term adverse environmental impacts are anticipated.

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## **6. SELECTED ALTERNATIVE**

The City selected the Lead Service Line Replacement Alternative because it:

- Achieves compliance with Michigan Lead and Copper Rule requirements
  - Protects public health
  - Removes aging lead infrastructure
  - Improves drinking water quality
  - Represents the most practical and cost-effective solution
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## **Design Parameters**

The proposed project includes replacement of approximately 112 lead and/or GPCL service lines throughout the City.

Replacement activities may include:

- Full service line replacement from water main to building
  - Excavation within public right-of-way and private property
  - Water service reconnections
  - Pavement, sidewalk, and lawn restoration
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## **Useful Life**

The anticipated useful life of the proposed improvements is approximately 50 years.

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## Schedule for Design and Construction

Activity	Estimated Completion
Project Planning Document	[Month Year]
EGLE/DWSRF Application Submission	[Month Year]
Design Engineering	[Month Year]
Bidding and Award	[Month Year]
Construction Start	[Month Year]
Construction Completion	[Month Year]

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## Project and User Costs

The estimated total project cost is **\$[AMOUNT]**.

Funding is anticipated through:

- DWSRF loan assistance
- Potential principal forgiveness
- Local funds, if necessary

The anticipated user cost impact is estimated at approximately **\$[AMOUNT]** per residential equivalent connection, subject to final financing terms.

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# 7. ENVIRONMENTAL AND PUBLIC HEALTH IMPACTS

## Direct Impacts

Direct impacts include temporary:

- Noise
- Dust
- Traffic disruption
- Excavation disturbance

Positive direct impacts include reduction of lead exposure risk.

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## **Indirect Impacts**

Indirect impacts include improved public confidence in drinking water quality and long-term infrastructure reliability.

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## **Cumulative Impacts**

The project contributes positively to statewide efforts to remove lead service lines and improve drinking water quality.

No significant adverse cumulative impacts are anticipated.

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## **Mitigation**

The City and contractors will implement measures to minimize impacts, including:

- Dust control
  - Traffic control
  - Soil stabilization
  - Restoration of disturbed areas
  - Coordination with residents and businesses
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# **8. PUBLIC PARTICIPATION**

## **Public Meeting**

A public meeting regarding the proposed Lead Service Line Replacement Project was held on Tuesday, May 12, 2026 in City Hall Council Chambers, 113 S. Main Street, Reading, MI.

The purpose of the meeting was to:

- Present the proposed project
- Discuss anticipated costs and impacts
- Receive public comment

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## **Public Meeting Advertisement**

The public meeting notice was published on April 30, 2026 in the Hillsdale Daily News, posted on the website at <https://reading.mi.us/> and posted at the Post Office, 111 Michigan Street; Century Bank and Trust, 108 N Main Street; Reading City Hall, 113 S Main Street

(Attach copy of notice in appendix.)

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## **Public Meeting Summary**

The meeting included:

- Presentation of the proposed project
- Review of financing options
- Opportunity for public comments and questions

Summary of comments received:

- [Insert summary]
  - Or state: “No significant objections were received.”
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## **9. ADOPTION OF THE PROJECT PLANNING DOCUMENT**

The City Council adopted this Project Planning Document on Tuesday, May 12, 2026 through Resolution No. 2026-07.

A copy of the adopted resolution is included in the appendices.

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## **10. APPENDICES**

Suggested appendices:

- Service Line Inventory Summary

- Project Maps
- Cost Estimates
- Public Meeting Notice
- Affidavit of Publication
- Meeting Minutes/Summary
- Adopted Resolution
- Engineering Supporting Documents